

Title (en)
LOCK FOR PANEL OF AN AIRCRAFT

Title (de)
SCHLOSS FÜR EIN LUFTFAHRZEUG-PANEEL

Title (fr)
VERROU POUR PANNEAU D'AÉRONEF

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EP 3882422 A1 20210922 (FR)

Application
EP 21162761 A 20210316

Priority
FR 2002593 A 20200317

Abstract (en)
[origin: CN113401353A] A latch (12) intended for assembling a removable panel (18) to a structure (14), notably that of an aircraft, includes a bracket (30) fixed to the panel; a keeper (32) and a push button (34) hinged to the bracket; a torsion spring (40) comprising two arms respectively in abutment on the keeper and the push button. The latch is movable between a closed configuration, in which the keeper is in contact with the push button, and an open configuration, in which the keeper is spaced apart from the push button. The latch further includes a roller (42) rotatably supported on an arm (86) of the spring; and the keeper includes a profile (58) on which the roller moves when the latch is moved between the closed and open configurations.

Abstract (fr)
La présente invention concerne un verrou (12) destiné à assembler de manière amovible un panneau (18) à une structure (14), notamment d'aéronef, comportant : une console (30) fixée au panneau ; une gâche (32) et un poussoir (34) articulés à la console ; un ressort de torsion (40) comprenant deux bras en appui respectivement sur la gâche et sur le poussoir. Le verrou est mobile entre une configuration fermée, dans laquelle la gâche est au contact du poussoir, et une configuration ouverte, dans laquelle la gâche est à distance du poussoir. Le verrou comprend en outre un rouleau (42) articulé à un bras (86) du ressort ; et la gâche comporte un profil (58) sur lequel le rouleau est apte à se déplacer lors d'un déplacement du verrou entre les configurations fermée et ouverte.

IPC 8 full level
E05C 3/04 (2006.01)

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Citation (applicant)
• FR 2556399 A1 19850614 - MARTINS ADERITO [FR]
• FR 2605671 A1 19880429 - MARTINS ADERITO [FR]

Citation (search report)
• [A] US 2717796 A 19550913 - CUDNEY CHARLES G
• [AD] FR 2605671 A1 19880429 - MARTINS ADERITO [FR]
• [A] US 2722445 A 19551101 - CUDNEY CHARLES G
• [A] FR 1070235 A 19540720 - HARTWELL AVIAT SUPPLY COMPANY

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